



MATHS

BOOKS - ICSE

CUBES AND CUBE - ROOTS

Example

1. Is 297 a perfect cube ?



Watch Video Solution

2. Is 2774 a perfect cube ?



Watch Video Solution

3. What is the smallest number by which 3087 may be multiplied , so that the product is perfect cube?



Watch Video Solution

4. What is the least number by which 6750 may be divided so that the quotient is a perfect cube?



[Watch Video Solution](#)

5. Find the cube - root of 216.



[Watch Video Solution](#)

6. Find the cube root 1728.



[Watch Video Solution](#)

7. Find the smallest number by which 210125 must be multiplied so that the product is a perfect cube.



[Watch Video Solution](#)

EXERCISE 4(A)

1. Find the cube of :

7



Watch Video Solution

2. Find the cube of :

11



Watch Video Solution

3. Find the cube of :

16



Watch Video Solution

4. Find the cube of :

23



Watch Video Solution

5. Find the cube of :

31



[Watch Video Solution](#)

6. Find the cube of :

42



[Watch Video Solution](#)

7. Find the cube of :

54



[Watch Video Solution](#)

8. Find which of the following are perfect cubes ?

243



[Watch Video Solution](#)

9. Find which of the following are perfect cubes ?

588



[Watch Video Solution](#)

10. Find which of the following are perfect cubes ?

1331



[Watch Video Solution](#)

11. Find which of the following are perfect cubes ?

24000



[Watch Video Solution](#)

12. Find which of the following are perfect cubes ?

1728



[Watch Video Solution](#)

13. Find 1938 is the perfect cube or not ?



Watch Video Solution

14. Find the cubes of :

2.1



Watch Video Solution

15. Find the cubes of :

0.4



Watch Video Solution

16. Find the cubes of :

1.6



Watch Video Solution

17. Find the cubes of :

2.5



Watch Video Solution

18. Find the cubes of :

0.12



Watch Video Solution

19. Find the cube of :

0.02



Watch Video Solution

20. Find the cube of :

0.8



[Watch Video Solution](#)

21. Find the cube of :

$\frac{3}{7}$



[Watch Video Solution](#)

22. Find the cubes of :

$$\frac{8}{9}$$



Watch Video Solution

23. Find the cubes of :

$$\frac{10}{13}$$



Watch Video Solution

24. Find the cubes of :

$$1\frac{2}{7}$$



Watch Video Solution

25. Find the cubes of :

$$2\frac{1}{2}$$



Watch Video Solution

26. Find the cube of :

-3



Watch Video Solution

27. Find the cube of :

-7



Watch Video Solution

28. Find the cube of :

– 12



Watch Video Solution

29. Find the cubes of :

– 18



Watch Video Solution

30. Find the cubes of :

– 25



Watch Video Solution

31. Find the cubes of :

– 30



Watch Video Solution

32. Find the cube of :

– 50



Watch Video Solution

33. which of the following are cubes of :

an even number 216,512,729,1000,3375,13824



Watch Video Solution

34. which of the following are cubes of :

an odd number 216, 729, 3375 , 8000, 125 , 343,
4096 and 9261.



Watch Video Solution

35. Find the laest number by which 1323 must
be multiplied so that the product is a perfect
cube.



Watch Video Solution

36. Find the smallest number by which 8768 must be divided so that the quotient is a perfect cube.

A. 147

B. 117

C. 127

D. 137

Answer: D



Watch Video Solution

37. Find the smallest number by which 27783 be multiplied to get a perfect square number .



Watch Video Solution

38. With what least number must 8640 be divided so that the quotient is a perfect cube?



Watch Video Solution

39. Which is the smallest number that must be multiplied to 77175 to make it a perfect cube ?



Watch Video Solution

EXERCISE 4(B)

1. Find the cube-roots of :

64



Watch Video Solution

2. Find the cube-roots of :

343



Watch Video Solution

3. Find the cube-roots of :

729



Watch Video Solution

4. Find the cube-roots of :

1728



[Watch Video Solution](#)

5. Find the cube-roots of :

9261



[Watch Video Solution](#)

6. Find the cube-roots of :

4096



[Watch Video Solution](#)

7. Find the cube-roots of :

8000



[Watch Video Solution](#)

8. Find the cube-roots of :

3375



[Watch Video Solution](#)

9. Find the cube-roots of :

$$\frac{27}{64}$$


[Watch Video Solution](#)

10. Find the cube-roots of :

$$\frac{125}{216}$$



Watch Video Solution

11. Find the cube-roots of :

$$\frac{343}{512}$$



Watch Video Solution

12. Find the cube-roots of :

$$64 \times 729$$



Watch Video Solution

13. Find the cube-roots of :

$$64 \times 27$$



Watch Video Solution

14. Find the cube-roots of :

$$729 \times 8000$$



Watch Video Solution

15. Find the cube-roots of :

$$3375 \times 512$$



Watch Video Solution

16. Find the cube-roots of :

– 216



Watch Video Solution

17. Find the cube-roots of :

– 512



Watch Video Solution

18. Find the cube-roots of :

– 1331



Watch Video Solution

19. Find the cube-roots of :

– $\frac{27}{125}$



Watch Video Solution

20. Find the cube-roots of :

$$\frac{-64}{343}$$



[Watch Video Solution](#)

21. Find the cube-roots of :

$$\frac{512}{343}$$



[Watch Video Solution](#)

22. Find the cube-roots of :

– 2197



Watch Video Solution

23. Find the cube-roots of :

– 5832



Watch Video Solution

24. Find the cube-roots of :

– 2744000



Watch Video Solution

25. Find the cube-roots of :

2.744



Watch Video Solution

26. Find the cube-roots of :

9.261



Watch Video Solution

27. Find the cube-roots of :

0.000027



Watch Video Solution

28. Find the cube-root of :

-0.512



Watch Video Solution

29. Find the cube-roots of :

-15.625



Watch Video Solution

30. Find the cube-roots of :

$$-125 \times 1000$$



Watch Video Solution

31. Find the smallest number by which 26244 should be divided so that the quotient is a perfect cube .



Watch Video Solution

32. What is the least number by which 30375 should be multiplied to get a perfect cube?



Watch Video Solution

33. Find the cube - roots of :

$$700 \times 2 \times 49 \times 5$$



Watch Video Solution

34. Find the cube - roots of :

$$- 216 \times 1728$$



Watch Video Solution

35. Find the cube - roots of :

$$- 64 \times - 125$$



Watch Video Solution

36. Find the cube - roots of :

$$\sqrt[3]{\frac{27}{343}}$$



Watch Video Solution

37. Find the cube - roots of :

$$\sqrt[3]{\frac{729}{1331}}$$



Watch Video Solution

38. Find the cube - roots of :

250.047



Watch Video Solution

39. Find the cube - roots of :

– 175616



Watch Video Solution